



9-1632

PATENT APPLICATION

Serial No. 10/049,964

Attorney Docket No. 3274-020104

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit 1632 :

In re Application of :

NOZOMU YASUTAKE ET AL. :

METHOD FOR PRODUCING GLYCOSIDES

Serial No. 10/049,964 :

Filed July 18, 2002 :

Examiner - Not Yet Assigned :

RECEIVED

DEC 11 2002

TECH CENTER 1600/2900

Pittsburgh, Pennsylvania

December 4, 2002

INFORMATION DISCLOSURE STATEMENT
TRANSMITTED BEFORE MAILING OF FIRST OFFICE ACTION

Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby submit this Information Disclosure Statement together with a completed Form PTO/SB/08A and a copy of each reference cited along with an English-language Abstract or partial translation thereof.

United States Patent No. 5,149,640 is equivalent to Japanese Laid-Open Patent Publication No. 3-35787, and United States Patent No. 5,153,128 is equivalent to Japanese Laid-Open Patent Publication No. 3-277276. Copies of both are enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on December 4, 2002.

Diane Paull
(Name of Person Mailing Document)

Diane Paull
Signature

12.04.2002
Date

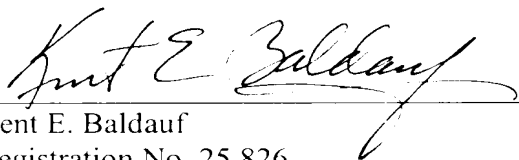
The articles authored by Joziasse, Trimble, Bardales and Yamamoto are discussed on page 4 of the specification. Japanese references JP 5-64594, JP 10-245402 and JP 10-33194 are cited on page 4 of the specification.

No fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted before a first Office Action on the merits. Nevertheless, the Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. The original and two copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

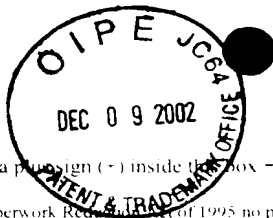
WEBB ZIESENHEIM LOGSDON
ORKIN & HANSON, P.C.

By



Kent E. Baldauf
Registration No. 25,826
Attorney for Applicants
700 Koppers Building
436 Seventh Avenue
Pittsburgh, PA 15219-1818
Telephone: 412-471-8815
Facsimile: 412-471-4094

Burden Hour Statement This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, D.C. 20231



RECEIVED
DEC 11 2002
TECH CENTER 1600/2900

Please type a plus sign (+) inside the box → ☒

Approved for use through 10/31/2001. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/049,964
				Filing Date	February 19, 2002
				First Named Inventor	Nozomu Yasutake
				Group Art Unit	1632
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	3274-020104
Sheet	2	of	2		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published.	T ²
		JOZIASSE, David H. et al.; " α 1 \rightarrow 3-Galactosyltransferase: the use of recombinant enzyme for the synthesis of α -galactosylated glycoconjugates", <i>Eur. J. Biochem.</i> 191, 75-83(1990), pp. 75-83	
		TRIMBLE, Robert B. et al., "Transfer of Glycerol by Engo- β -N-acetylglucosaminidase F to Oligosaccharides during Chitobiose Core Cleavage", <i>The Journal of Biological Chemistry</i> , Vol. 261, No. 26, Sept. 15, 1986, pp. 12000-12005	
		BARDALES, Richard M. et al., "Transglycosylation and Transfer Reaction Activities of Endo- α -N-acetyl-D-galactosaminidase from <i>Diplococcus (Streptococcus)</i> ", <i>The Journal of Biological Chemistry</i> , Vol. 264, No. 33, November 25, 1989, pp. 19893-19897	
		YAMAMOTO, Kenji et al., "Transglycosylation Activity Of <i>Mucor hiemalis</i> Endo- β -N-Acetylglucosaminidase Which Transfers Complex Oligosaccharides to the N-Acetylglucosamine Moieties of Peptides", <i>Biochemical and Biophysical Research Communications</i> , Vol. 203, No. 1, August 30, 1994, pp. 244-252	
		TAKENAKA, Fumihito et al., "Synthesis of α -D-Glucosylglycerol by α -Glucosidase and Some of Its Characteristics", <i>Biosci. Biotechnol. Biochem.</i> , 64 (9), 2000, pp. 1821-1826	
		NAKANO, Hirofumi et al., "Transfer Reaction Catalyzed by Exo- β -1,4-galactanase from <i>Bacillus subtilis</i> ", <i>Agric. Biol. Chem.</i> , 55 (8), 1991, pp. 2075-2082	
		HRONOWSKI, Lucjan J.J. et al., "Synthesis and characterization of 2-O- β -lactosylglycerol, 1,2-di-O- β -lactosyl-(R,S)-glycerols, and 1,2,3-tri-O- β -lactosylglycerol", <i>Carbohydrate Research</i> , 219 (1991), pp. 33-49, Elsevier Science Publishers B.V., Amsterdam	

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.